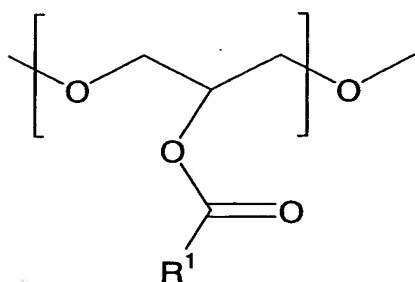


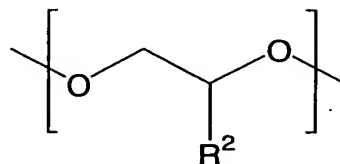
What is claimed is:

1. A heat-accumulative material which is a polymer or oligomer having, as a main constituent component, units having a polyether main chain and a side chain, side chains capable of being crystallized.

2. The heat-accumulative material according to claim 1, wherein the unit is represented by formula (1) or (2),



(1)



(2)

wherein R<sup>1</sup> is at least one selected from hydrocarbon groups having 11 or more carbon atoms and R<sup>2</sup> is at least one selected from hydrocarbon groups having 14 or more carbon atoms.

3. The heat-accumulative material according to claim 2, wherein R<sup>1</sup> or R<sup>2</sup> is a straight-chain alkyl group.

4. The heat-accumulative material according to claim 1,

whose melting point is from -10°C to 100°C and latent heat is at least 30 J/g.

5. The heat-accumulative material according to claim 1,  
5 wherein difference between the melting point and the  
solidifying point of the material is at most 15°C.

6. The heat-accumulative material according to claim 1,  
whose 5 weight % loss temperature in the air measured by a  
10 TG-DTA analyzer is 200°C or more.

7. The heat-accumulative material according to claim 1,  
wherein the weight-average molecular weight Mw of the  
polymer or oligomer is from 1,000 to 2,000,000.

15 8. A heat-accumulative composition comprising the  
heat-accumulative material of claim 1 and a synthetic  
resin.

20 9. The heat-accumulative composition according to  
claim 8, wherein the synthetic resin is at least one  
selected from the group of polyurethane, acrylic,  
polyamide, polyvinyl chloride, polypropylene, polyethylene,  
polystyrene, polyester, polycarbonate, ethylene/vinyl  
25 alcohol copolymer, thermoplastic elastomer, polyphenylene  
sulfide, polyvinyl alcohol copolymers and ABS resins.

10. A heat-accumulative film or sheet comprising the material of claim 1; or the composition of claim 8.

11. A heat-accumulative laminate comprising the film  
5 or sheet of claim 10 as one layer.

12. A heat-accumulative composite fiber comprising a core and a sheath;

the core comprising the material of claim 1; or  
10 the composition of claim 8;

the sheath comprising a synthetic resin.

13. The heat-accumulative composite fiber according to claim 12, wherein the synthetic resin is at least one  
15 selected from the group of polyamide, polyester, polyurethane, ethylene/vinyl acetate copolymer, polyvinylidene chloride, polyvinyl chloride, acrylic, polyethylene, ethylene vinyl alcohol copolymers, polyvinyl alcohol copolymers and polypropylene resins.

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14. A heat-accumulative cloth comprising the composite fiber of claim 12.

15. A heat-accumulative molded article comprising the  
25 material of claim 1; or the composition of claim 8.

16. The heat-accumulative molded article according to

claim 15, which is an energy-saving part or a part for preventing excessive heating or cooling.

17.       The heat-accumulative molded article according to  
5   claim 15, which is a building material, residential good, automobile part, electric/electronic appliance part, heat-exchanger part, heat exchange medium or heat transfer device part.